

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2054448
<b>Application Number:</b>	10796563
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1088
<b>Title of Invention:</b>	Space-time coding for multi-antenna ultra-wideband transmissions
<b>First Named Inventor/Applicant Name:</b>	Georgios B. Giannakis
<b>Customer Number:</b>	28863
<b>Filer:</b>	Kent Joseph Sieffert/Beth Lindblom
<b>Filer Authorized By:</b>	Kent Joseph Sieffert
<b>Attorney Docket Number:</b>	1008-013US01
<b>Receipt Date:</b>	07-AUG-2007
<b>Filing Date:</b>	08-MAR-2004
<b>Time Stamp:</b>	09:36:31
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	5548
Deposit Account	501778
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17	

### File Listing:

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Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	Transmittal.pdf	45858	no	3
			84264f5ea1e7545f6f02073ae5387231b01dd130		

**Warnings:**

**Information:**

2	NPL Documents	Ultra.pdf	171674	no	7
			b9005120b2a7f0dc8c5768b187117e3a1d76c8f0		

**Warnings:**

**Information:**

3	Fee Worksheet (PTO-06)	fee-info.pdf	30061	no	2
			769380a49c92bc8e06d1c1dfb5959d2273810ce5		

**Warnings:**

**Information:**

<b>Total Files Size (in bytes):</b>			247593
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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.